1st and Final Bill

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63911

erial No. .....

ame of work ..... From ..... To .....

ame of Contractor of nature of Agency.....

ate of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
			Length	Breadth			
1	2	3	4	5	6	7	8
	I&t & final bill Name of work:- Construction of RCC drain & improvements to cross roads, 1st, 2nd, 3rd, 4th, 5th & culverts at Grape garden T. Dasarahalli ward No-15 Agency:- KRIDL Estimate cost:- RS 50.00 lakhs A.A No:- EE/DD/AS/669/17-18 Dt:-26/12/17 T.S No:- CE/DZ/TS/395/17-18 Dt:-27/12/17 W.O :- BBMP/EE/DD/WO/184/17-18 Dt:-10/01/18 Received on:- 26/02/18 I&t code:- 015-18-000002						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No:1 Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 meters & an average lift upto 0.50 m, excavated surface levelled & sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications with all leads & lifts including conveying the excavated earth silt, debris & over burden earth etc.. to lead of 2 kms distance by using private vehicle this includes the cost of loading & unloading charges etc., complete as per the direction.						
	Grape garden						
	4th cross	1	30.00	1.20	1.00	36.00 Cum	
		1	27.40	1.20	1.00	32.88 -11-	
		1	43.40	1.20	1.00	52.08 -11-	
		1	41.40	1.20	1.00	49.68 -11-	
		1	38.10	1.20	1.00	45.72 -11-	
	3rd cross	1	39.00	1.20	1.00	46.80 -11-	
		1	39.00	1.20	1.00	46.80 -11-	

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63912

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
			Length	Breadth			
1	2	3	4	5	6	7	8
	2nd Cross	1	41.00	1.20	1.00	49.20	
		1	32.00	1.20	1.00	38.40	
		1	32.00	1.20	1.00	38.40	
		1	40.00	1.20	1.00	48.00	
	1st Cross	1	26.00	1.20	1.00	31.20	
		1	25.00	1.20	1.00	30.00	
		1	37.00	1.20	1.00	44.40	
		1	9.70	1.20	1.00	11.64	
						⇒ 601.20 Cum	
			limited to Qty		⇒	573.12 Cum	
		@ Rs	208.82 Cum				119679.00

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63912

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
			Length	Breadth			
1	2	3	4	5	6	7	8
	2nd Cross	1	41.00	1.20	1.00	49.20	
		1	32.00	1.20	1.00	38.40	
		1	32.00	1.20	1.00	38.40	
		1	40.00	1.20	1.00	48.00	
	1st Cross	1	26.00	1.20	1.00	31.20	
		1	25.00	1.20	1.00	30.00	
		1	37.00	1.20	1.00	44.40	
		1	9.70	1.20	1.00	11.64	
						⇒ 601.20 Cum	
			limited to Cft		⇒	573.12 Cum	
		(@ 15	209.82	cum			119679.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No 2:- providing & laying in position plain cement concrete of mix 1:4:8 with OPC Cement @ 180 kgs, with 40 mm & down size graded granite metal coarse aggregate @ 0.85 cum & fine aggregate @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15 cms, thick well compacted, in foundation, including cost of all materials, labour & hire of machinery curing complete as per Specifications						
	Grape garden						
		1	30.00	1.20	0.15	5.40 cum	
		1	27.40	1.20	0.15	4.93 -11	
	4th Cross	1	43.40	1.20	0.15	7.81 -11	
		1	41.40	1.20	0.15	7.45 -11	
		1	38.10	1.20	0.15	6.85 -11	
	3rd Cross	1	39.00	1.20	0.15	7.02 -11	
		1	39.00	1.20	0.15	7.02 -11	
		1	41.00	1.20	0.15	7.38 -11	

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63913

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
			Length	Breadth			
1	2	3	4	5	6	7	8
	2nd cross	1	32.00	1.20	0.15	5.76 - u	
		1	32.00	1.20	0.15	5.76 - u	
		1	40.00	1.20	0.15	7.20 - u	
	I st cross	1	26.00	1.20	0.15	4.68 - u	
		1	25.00	1.20	0.15	4.50 - u	
		1	37.00	1.20	0.15	6.66 - u	
		1	9.70	1.20	0.15	1.74 - u	
						= 90.16 cum	
			limited to qty			= 83.70 cum	
		@ Rs 5159.02/cum					431810.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No: 3 :- Design mix M20 with OPC Cement @ 320 Kgs, with 20 mm & down Size graded Granite metal Coarse aggregate @ 0.69 Cum & fine aggregates @ 0.46 Cum, with Superplasticizer @ 3.1% Conforming upto 5 m height						
	Bottom of drain	1	30.00	0.90	0.15	4.05 Cum	
		1	27.40	0.90	0.15	3.70 "	
		1	43.40	0.90	0.15	5.86 "	
	4th Cross	1	41.40	0.90	0.15	5.59 "	
		1	38.00	0.90	0.15	5.13 "	
		1	38.10	0.90	0.15	5.14 "	
	3rd Cross	1	39.00	0.90	0.15	5.27 "	
		1	39.00	0.90	0.15	5.27 "	
		1	41.00	0.90	0.15	5.54 "	

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63914

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
			Length	Breadth			
1	2	3	4	5	6	7	8
	2nd Curbs	1	32.00	0.90	0.15	4.32 —	
		1	32.00	0.90	0.15	4.32 —	
		1	40.00	0.90	0.15	5.40 —	
	I st Curbs.	1	26.00	0.90	0.15	3.51 —	
		1	25.00	0.90	0.15	3.38 —	
		1	37.00	0.90	0.15	5.00 —	
		1	9.70	0.90	0.15	1.31 —	
		10				72.79 cum	
	Side Walls.	2	30.00	0.15	0.90	8.10 — cum	
		2	27.40	0.15	0.90	7.40 —	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2	43.40	0.15	0.90	11.72 —	"
	4th Cross.	2	41.40	0.15	0.90	11.18 —	"
		2	38.00	0.15	0.90	10.26 —	"
		2	38.10	0.15	0.90	10.29 —	"
	3rd Cross.	2	39.00	0.15	0.90	10.53 —	"
		2	39.00	0.15	0.90	10.53 —	"
		2	41.00	0.15	0.90	11.07 —	"
	2nd Cross	2	32.00	0.15	0.90	8.64 —	"
		2	32.00	0.15	0.90	8.64 —	"
		2	40.00	0.15	0.90	10.80 —	"
	1st Cross.	2	26.00	0.15	0.90	7.02 —	"
		2	25.00	0.15	0.90	6.75 —	"
		2	37.00	0.15	0.90	9.99 —	"

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63915

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2	9.70	0.15	0.90	2.62 — 4 —	
		1	8.00	2.50	0.15	3.00 — 1 —	
						⇒ 148.54 Cum	
		Total qty = 72.79 + 148.54				⇒ 221.33 Cum	
		@ Rs 6965.26/cum					1541621.00

Item No-4 Supplying, fitting & placing TMT bar Fe 500 reinforcement in Sub Structure complete as per drawing & technical specifications complete as per specifications.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Quantity brought this m B. P. No - 6399					1-63992	
	Qty = 14.98 ton						
	@ Rs 6648 2-14/ton						995902.00
	Item No-5:- providing & removing centering, shuttering, struting, propping etc, And removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth Cills & String Course Cost of all materials, labour Complete as per Specifications -						
		4	30.00		0.90	108.00	
		4	27.40		0.90	98.64	
	4th Cross.	4	43.40		0.90	156.24	
		4	41.40		0.90	149.04	

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Measurement Book

63916

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		4	38.10		0.90	137.16	
	3rd cross.	4	39.00		0.90	140.40	
		4	39.00		0.90	140.40	
		4	41.00		0.90	147.60	
	2nd Cross.	4	32.00		0.90	115.20	
		4	32.00		0.90	115.20	
		4	40.00		0.90	144.00	
	1st cross.	4	26.00		0.90	93.60	
		4	25.00		0.90	90.00	
		4	37.00		0.90	133.20	
		4	9.70		0.90	34.92	
						1803.60 Sq mt	
		limited		qty		1630.08 Sq mt	
		@Rs 310.58/Sq mt					506270.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No:-6 : Supplying & fixing precast reinforced Concrete Slab 10 cm thick of m20 using 20mm & down size graded Granite metal using reinforcement 10mm dia Steel at 150mm c/c both ways cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc complete with the leads & lift conveyance charges labour charges inclusive of cost of all mat						
		1	30.00	0.90		27.00	Sqm
		1	27.40	0.90		24.66	"
		1	43.40	0.90		39.06	"
		1	41.40	0.90		37.26	"
		1	38.10	0.90		34.29	"
		1	39.00	0.90		35.10	"
		1	39.00	0.90		35.10	"

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63317

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth / Depth		
1	2	3	4	5 / 6	7	8
		1	41.00	0.90	36.90 —u—	
		1	32.00	0.90	28.80 —u—	
		1	32.00	0.90	28.80 —u—	
		1	38.70	0.90	34.83 —u—	
					⇒ 361.80 Sqmt	
		@ Rs. 1698.00/Sqmt				614336.00

Item No-7 :- providing & fixing pre cast solid cement concrete kerb stones made out of C.C 1:2:4 with top & bottom breadth 114 & 165 mm respectively, 400mm high & 450mm in lenght finished with cm 1:3 plastering & finishing cutting including

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cost of all materials, labour, hire charges of machinery, loading unloading, load & lift transportation etc. complete						
	Total length	1	381.00 / 0.45			846.00	Nos.
	@ Rs 331.78/No						280686.00 =
Item No-8:-	painting two coats after filling the surface with Synthetic enamel paint in approved shades on New plastered Concrete Surfaces, with materials, labour complete as per specifications.						
	Qty brought from Item No- 7	846.00	0.45		0.40	152.28	Sq.m

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63918

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Skdeyar 26/02/18 ಪ್ರಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಕೆ.ಪಿ.ಸಿ.ಸಾರಥಪಳ್ಳಿ ಉಪವಿಭಾಗ ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ ಬೆಂಗಳೂರು	@ Rs 63.60	Sqmtr	X152.28 Sqmt		9685.00	
	Certificate				Total bill amt ⇒	4499989.00	
		KRIDL Service Charges			11% ⇒	494998=00	
					Total	Rs 4994984=0	
	This is to certify that the contractor has completed the work satisfactorily. The contractor has cleared the debris from the work spot. There are no departmental issues with above work.						Executive Engineer 26/02/18

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	4th cross 3rd cross 2nd cross 1st cross Petrol Bunk Ayyappa temple Road Temple garden Main Road 5th cross 495 Rmt- Reddy's Layout Main Road & Main Road						Completed 26/02/18 Sheshagiri 26/02/18 ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ ಬೆಂಗಳೂರು

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63987

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
			Length	Breadth			
1	2	3	4	5	6	7	8
	Premeasurements						
	Name of works:- Construction of RCC drain & improvements to cross Roa						
	1st, 2nd, 3rd, 4th, 5th & culverts at Grape garden T. Dasarahalli Ward No-1						
	Agency: KRIDL ✓						
	Estimate cost:- RS 50.00 lakhs ✓						
	Recvdd on: 22/01/18 ✓						
Item	No:-1 Earthwork excavation by manual means in hard soil involvin						
	an average horizontal throw upto 2 mtrs & an average lift upto 0.50 m						
	excavated surface levelled & Reasonably dressed, the disposed earth to b						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Levelled neatly dressed, the disposal earth to be levelled neatly conveying the excavated earth silt, debris & over burden earth etc to lead upto 2 kms distance by using private vehicle this includes the cost of loading & unloading charges etc. complete as per directions						
	Grape garden	1	30.00	1.20	1.00	36.00 cum	
		1	27.40	1.20	1.00	32.88 "	
	4th Cross	1	43.40	1.20	1.00	52.08 "	
		1	41.40	1.20	1.00	49.68 "	
		1	38.10	1.20	1.00	45.72 "	
	3rd Cross	1	39.00	1.20	1.00	46.80 "	
		1	39.00	1.20	1.00	46.80 "	
		1	41.00	1.20	1.00	49.20 "	
	2nd Cross	1	32.00	1.20	1.00	38.40 "	

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63988

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
			Length	Breadth			
1	2	3	4	5	6	7	8
		1	32.00	1.20	1.00	38.40 M	
		1	40.00	1.20	1.00	48.00 M	
	1st cross.	1	26.00	1.20	1.00	31.20 M	
		1	25.00	1.20	1.00	30.00 M	
		1	37.00	1.20	1.00	44.40 M	
		1	9.70	1.20	1.00	11.64 M	
					Total qty =	601.20 cum	

Item No-2 providing & laying in position plain Cement Concrete of mix 1:4:8 with OPC Cement @ 180 kgs, with 40mm & down Size graded granite metal Coa

Executive Engineer
Bagalkot

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	aggregates @ 0.85 cum & fine aggregates @ 0.57 cum machine mixed Concrete laid in layers not exceeding 15cms, thick well Compacted, in foundation, including cost of all materials, labour, Hire of machinery during Completion as per specifications						
	grape garden						
		1	50.00	1.20	0.15	5.40 cum	
		1	27.40	1.20	0.15	4.93 -11-	
		1	43.40	1.20	0.15	7.81 -11-	
		1	41.40	1.20	0.15	7.45 -11-	
		1	38.10	1.20	0.15	6.85 -11-	
		1	39.00	1.20	0.15	7.02 -11-	
		1	39.00	1.20	0.15	7.02 -11-	

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63989

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
			Length	Breadth			
1	2	3	4	5	6	7	8
		1	41.00	1.20	0.15	7.38 -11-	
		1	32.00	1.20	0.15	5.76 -11-	
		1	32.00	1.20	0.15	5.76 -11-	
		1	40.00	1.20	0.15	7.20 -11-	
		1	26.00	1.20	0.15	4.68 -11-	
		1	25.00	1.20	0.15	4.50 -11-	
		1	37.00	1.20	0.15	6.66 -11-	
		1	9.70	1.20	0.15	1.74 -11-	
				Total qty →		90.16 cum	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯ
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ದಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63991

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
			Length	Breadth			
1	2	3	4	5	6	7	8
	Premeasurment Name of work:- construction of RCC drain & Improvements to cross I IST, 2nd, 3rd, 4th, 5th & culverts at Grade seperation T- Basavahalli Ro agency:- KRIDL Estimate cost:- RS 50.00 lakhs. Recorded on:- 24/1/18. Item No 41- ~~providing & removing~~ Centering, ~~Shuttering, Strutting~~ propping etc ~~And removal of form~~. Supplying, fitting & placing						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Bar Fe 500 Reinforcement in Sub-Structure complete as per drawing & Technical Specifications complete as per Specifications.						
Sl No	dia of bar length of rods	Nos of rods	total length			weight in Kg/mtr	Total Kg.
(1)	main bar 10mm ϕ 501.00 mtr	28.00	14028.00			0.62	8697.36
(2)	Distribution bar 8mm ϕ 2.70 mtr	5010.00	13527.00			0.39	5275.53
(3)	main bar 10mm ϕ 5 x 25.00	8.00	1000.00			0.62	620.00
(4)	Distribution bar 8mm ϕ 5 x 80.00	2.50	1000.00			0.39	390.00
							⇒ 14982.89 kg
							⇒ 14.98 ton

Converted 24/01/18

CKPL

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಎಂಜಿನಿಯರ್
ಹೆಚ್.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ